



Marine Personnel Carrier (MPC) Industry Day

24 Apr 07



Agenda

✦ Administrative Remarks	0830	Bill Ross
✦ Welcome	0835	Col Micucci
✦ Program Overview	0855	Bill Ross
✦ Requirements	1015	LtCol Koch
✦ Survivability Lessons Learned	1045	Henry Hodges
✦ Lunch	1130-1400	No host
✦ Questions and Answers	1400	Bill Ross
✦ Closing Remarks	1430	Col Micucci



Administrative Remarks

- ✦ Cell phones and Blackberries – Off please
- ✦ Restrooms
- ✦ Questions – Written on 4X6 card
- ✦ Answers – All will be provided on website
 - Many will be answered later today
- ✦ MPC website –
<http://contracting.tacom.army.mil/majorsys/mpc/mpc.htm>
- ✦ Point of Contact – Bill Abramson
 - (586) 574-8350
 - william.abramson@us.army.mil



Welcome

Col Mike Micucci, USMC

Program Manager, Marine Personnel Carrier
and Light Armored Vehicles





Purpose

- ✦ To familiarize industry with the Marine Personnel Carrier (MPC)
- ✦ Explain the program requirements
- ✦ Identify the way ahead

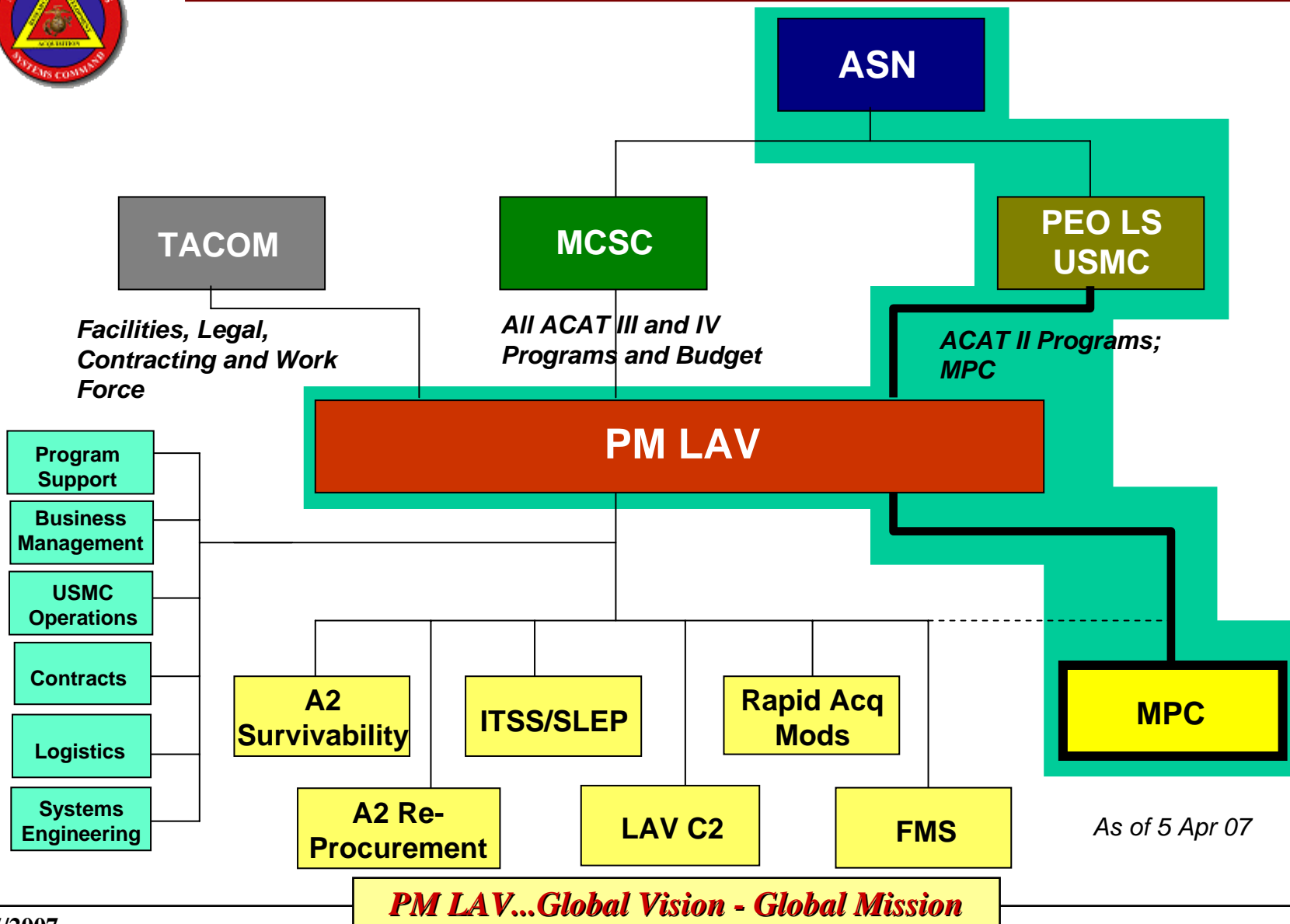


The Five Ws

- ✦ Who: Light Armored Vehicle Program Manager's Office
- ✦ What: A family of ≈ 600 vehicles
- ✦ When:
 - SDD – FY09 – FY11
 - Production – FY12 – FY16
- ✦ Where: Program lead out of Warren, MI
- ✦ Why: Let's talk about that



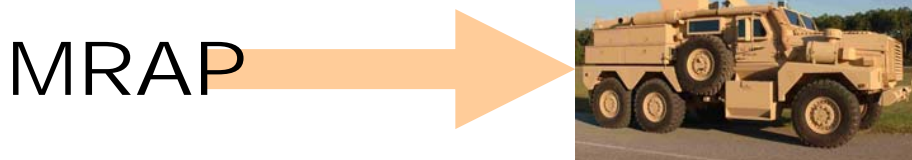
PM, Light Armored Vehicles



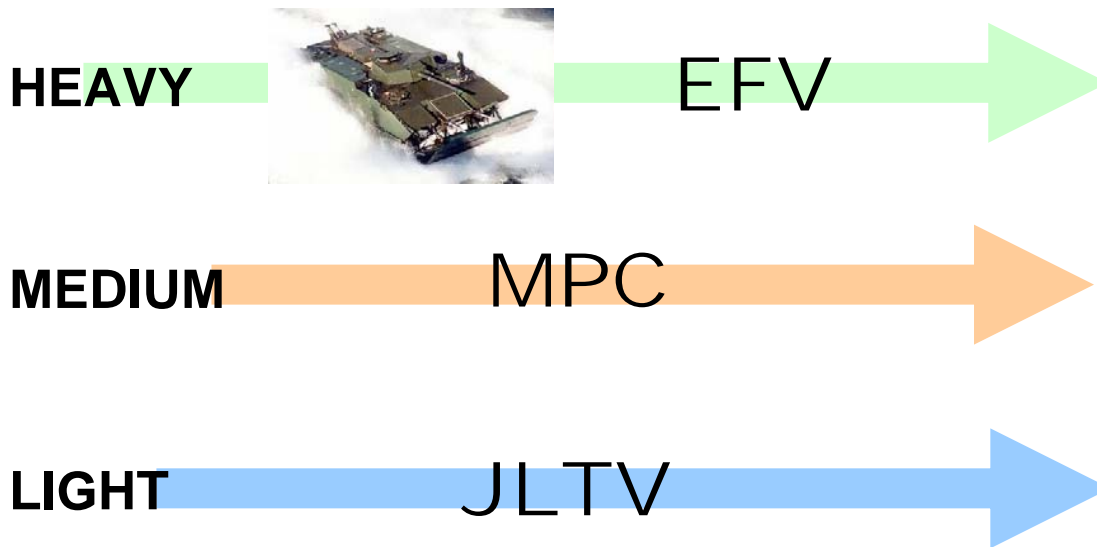


Where Does MPC Fit In The USMC?

2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023



Marine Corps future for tactical mobility



PM LAV...Global Vision - Global Mission



MPC Program Overview

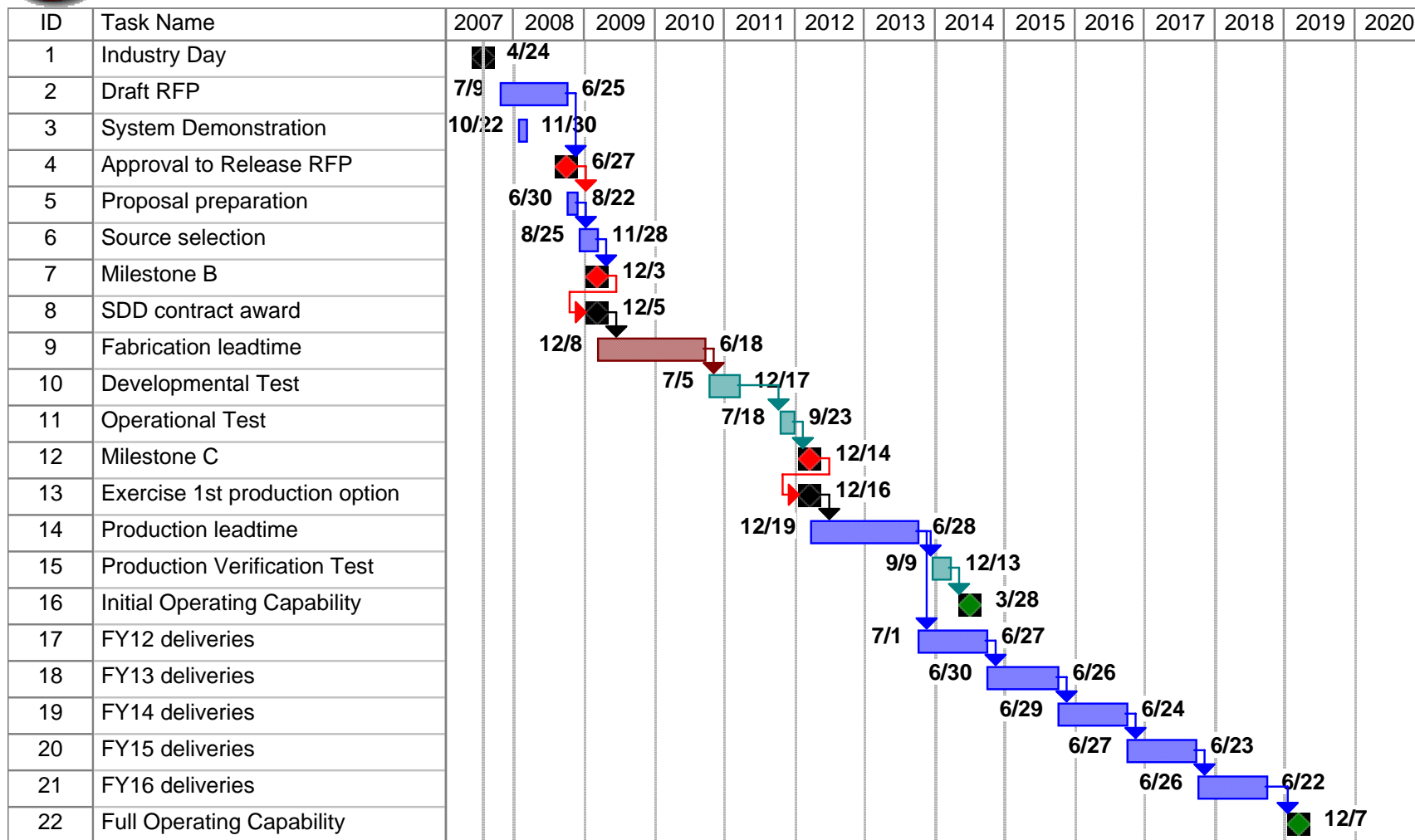
Bill Ross

Product Director

Marine Personnel Carrier



Program Schedule



PM LAV...Global Vision - Global Mission



System Demonstration

✦ What:

- Assessment of current state-of-the-art vehicles
 - Lease/bailment of one vehicle
 - Spare parts, tools and test equipment
 - Operator training course
- Ballistic testing of armor coupons
- Results will be used to refine system requirements
- Not part of source selection
- Results will be provided to vehicle supplier

✦ When: Mid-Oct through mid-Dec 07

✦ Where: Nevada Automotive Test Center, Carson City, NV



Acquisition Strategy

- ✦ Full and open competition
- ✦ Will use formal source selection criteria
- ✦ Selection of single contractor single contract for both continued development and maturation of the selected contractor's existing systems



Request For Proposal

- ✦ Will be posted on TACOM's Acquisition Center webpage
 - MPC website:
<http://contracting.tacom.army.mil/majorsys/mpc/mpc.htm>
- ✦ Will be a work-in-progress
 - Information will be posted as it becomes available
 - Initial postings expected within 90 days
 - Questions pertaining to draft RFP submitted to Mr. Abramson
 - Q & A will also be posted
 - Final RFP posted in Jun 08



RFP Outline (SDD Phase)

- ✦ Test vehicle fabrication
 - 5 each Personnel Carriers
 - 1 each Recovery, Logistics, C2 and Turreted
- ✦ Cost Reporting
 - Earned Value Management
 - Integrated Baseline Reviews
 - Cost as an Independent Variable
 - Cost/Schedule Status Report: DI-MGMT-81467 or Cost Performance Report: DI-MGMT-81466A
 - Contract Work Breakdown Structure: DI-MGMT-81334B
- ✦ Integrated Master Schedule: DI-MGMT-81650



SDD Phase RFP (Cont)

✦ Developmental Test Support

- Operator training
- Organizational level maintenance training
- Field Service Representative(s) support
- System Support Package
- Special Tools and Test Equipment, if any
- IETMs
 - Lubrication Instruction
 - Organizational level TM
- Failure Analysis and Corrective Action Reports



SDD Phase RFP (Cont)

✦ Operational Test support

- Operator training
- Organizational & Intermediate level maintenance training
- Field Service Representative(s) support
- System Support Package
- Special Tools and Test Equipment, if any
- IETMs
 - Lubrication Instruction
 - Organizational and Intermediate level TMs
 - SL-3 and SL-4
- Failure Analysis and Corrective Action Reports



SDD Phase RFP (Cont)

✦ Design Influence

- Growth potential ↔ Open architecture
- Autonomic logistics compatibility ↔ Data bus
- Built-in test ↔ Reduced logistics footprint
- Minimize LRU remove/replace time ↔ Greater operational availability

✦ Maintenance Planning

- Three echelons of USMC maintenance
- Use existing MOSs

✦ Manpower and Personnel

- No new MOSs
- Minimize number of support personnel



SDD Phase RFP (Cont)

★ Technical Data

- Task-based level 5 interactive electronic technical manuals
 - Text/illustrations with XML tags
 - True vector CGM graphics with ASCII characters
 - Logical hyper-linking between tasks, parts, tables & illustrations
- Drawings suitable for cataloging and provisioning
- Access to solid model data
- Configuration management
 - CM plan
 - Item Unique Identification (IUID) tagging
- Contractor test data

★ Computer Resources Support

- Minimize unique software
- Host government furnished IETM reader



SDD Phase RFP (Cont)

✦ Supply Support

- Provisioning using Marine Interactive Computer Aided Provisioning System (MICAPS) or Govt approved alternative
 - MICAPS available at
<http://www.logcom.usmc.mil/scmc/micaps/default.asp>
- Recommended Repair Parts and Tools Listing
- Two year initial issue parts block planning
- Performance Based Agreements

✦ Support Equipment

- No new special tools, TMDE or support equipment
- All repairs performed with on-vehicle common tools

✦ Training

- DT & OT training and materials
- New Equipment Training planning



SDD Phase RFP (Cont)

- ✦ Packaging Handling Storage & Transportation
 - Transportability data: DI-PACK-80880C
 - Level A packaging data for items intended for long-term storage
 - Reusable containers for LRUs with unit price \geq \$5K
- ✦ Facilities
 - Facilities Plan: DI-FACR-80976
- ✦ Obsolescence Management
 - Diminishing Manufacturing and Material Sources Management Plan
- ✦ Disposal
 - Identification of and disposal plan for HAZMAT/ODC
 - Recycle plan for precious metals and other identified materials



SDD Phase RFP (Cont)

- ✦ Quarterly program reviews
- ✦ Technical Reviews
 - System Requirements Review
 - System Functional Review
 - Preliminary Design Review
 - Critical Design Review
 - Test Readiness Review
 - Operational Test Readiness Review
- ✦ Quality Assurance
 - End Item Final Inspection Record (FIR): DI-QCIC-81068
 - Quality Program Plan (QPP): DI-QCIC-81722



Production Phase RFP

- ✦ Approximately 600 vehicle systems
 - Five options on SDD contract (FY12 – 16)
- ✦ IETMs updates to SDD pubs plus Depot level maintenance
- ✦ 1st Article Test support
- ✦ New Equipment Training
- ✦ Initial issue spare parts



System Requirements

LtCol Kurt Koch, USMC

Light Armored Capabilities Integration Officer

Fires and Maneuver Integration Division

Capabilities Development Directorate

Marine Corps Combat Development Command



MCCDC Presentation

Briefing material available as separate file.



JLTV Lessons Learned

Mr. Henry Hodges
Director

Nevada Automotive Test Center



NATC Presentation

Briefing material not available.

Contact either

Jeff Bradel at (703) 588-2552

bradelj@onr.navy.mil

OR

Henry Hodges at (775) 629-2000

hhodgesjr@natc-ht.com



Lunch Break

Return at ????



Questions and Answers



Wrap Up

Col Mike Micucci, USMC

